

FIG. 1

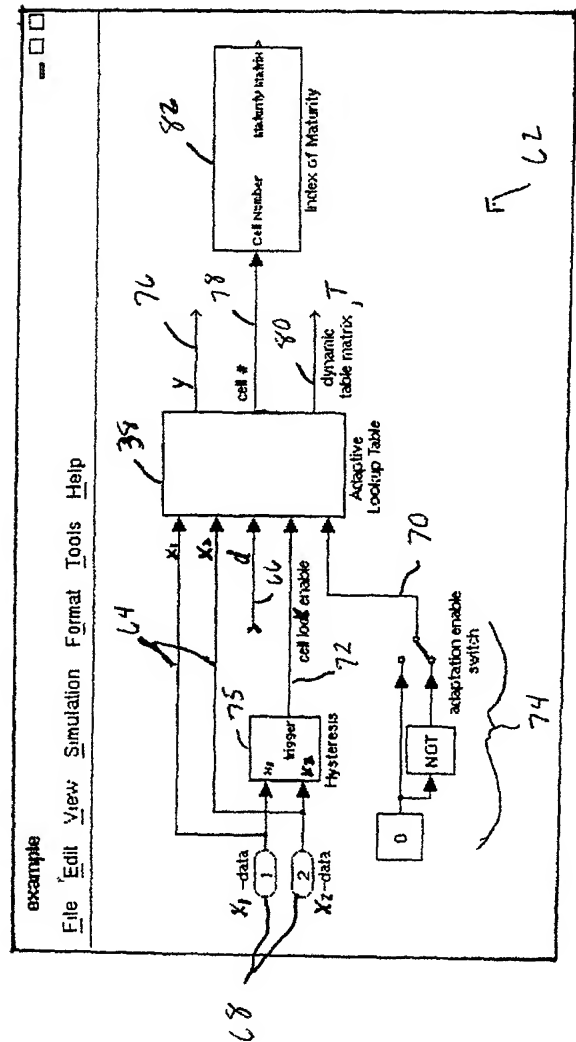


FIG. 2

90

Block Parameters: Adaptive Lookup Table ☐ ☐

Adaptive Table Lookup (mask):
 Perform 1 or 2 dimensional adaptive table lookup
 Breakpoint sets relate the input values to cell locations
 in the table. The data is used to dynamically update the
 cell values at these positions.

Parameters

Number of table dimensions: 2 92

First input (row) breakpoint set 94
 [1 2 4]

Second input (column) breakpoint set
 [1 2 3]

106 Use one (vector) input port for data

Table data (initial): 96
 [1 2; 3 4]

Table numbering matrix: 98
 [1 2; 3 4]

108 Table matrix output port

Save table data to workspace

Table name:
 ver 100

110 Adaptation enable/disable port

Adapt to out-of-range data

Adaptation method Sample mean (with forgetting) 102

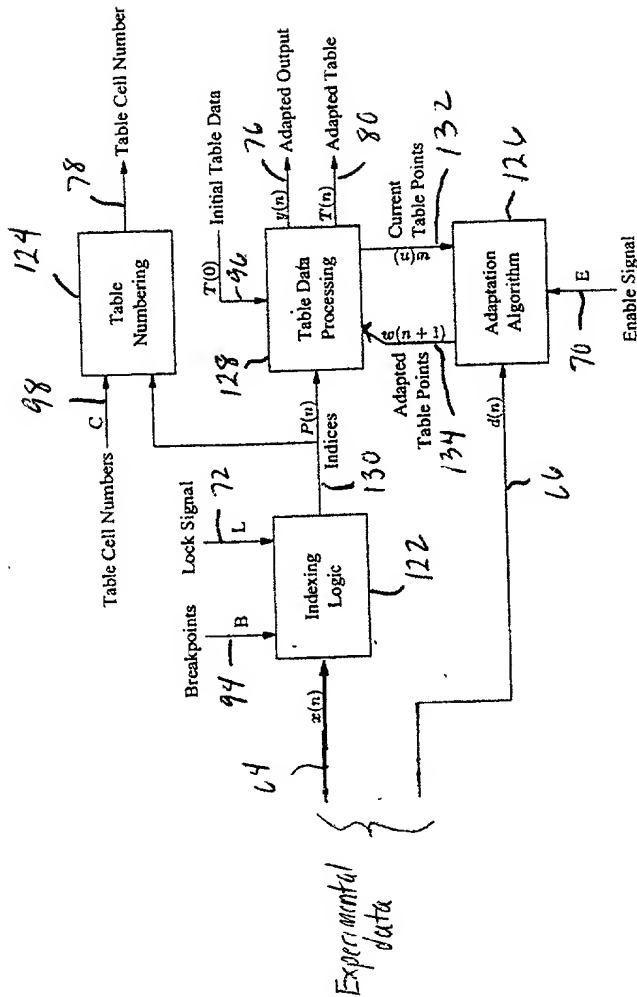
Adaptation speed (0 to 1): 104
 0.6

112 Cell lock enable/disable port

OK Cancel Help Apply

FIG. 3

120



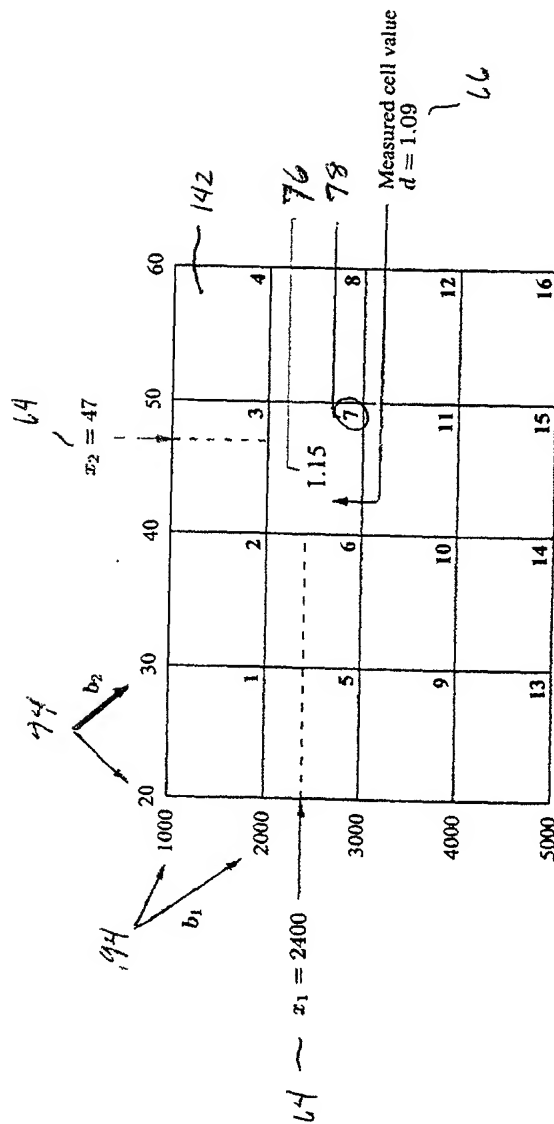


FIG. 5

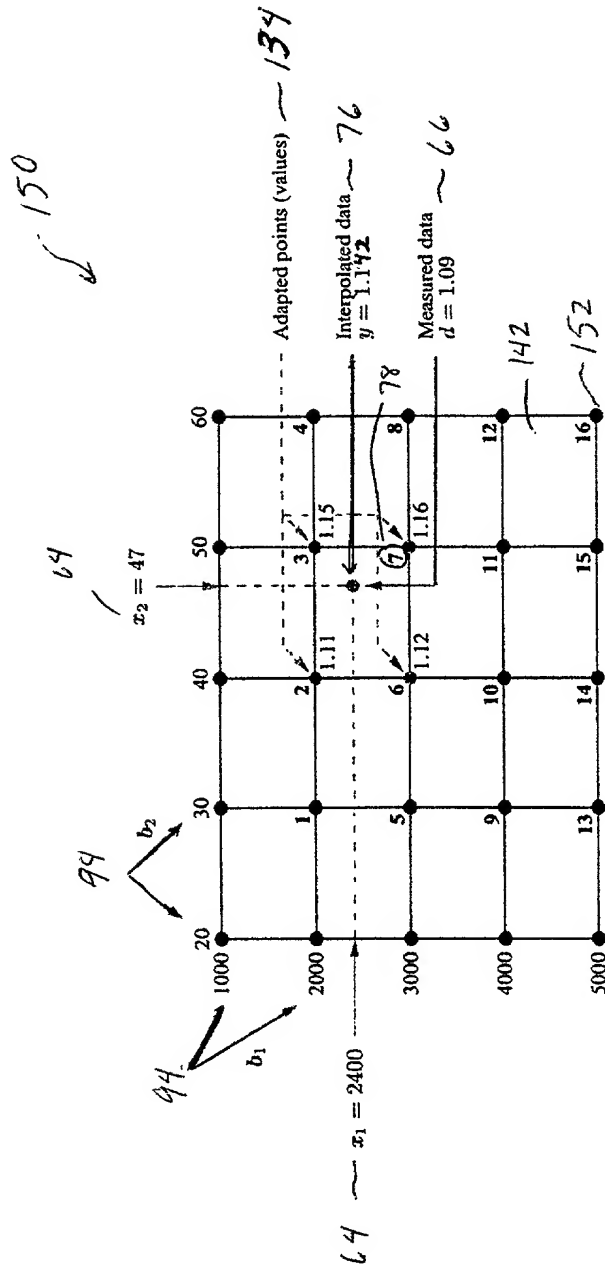


FIG. 6

Plant Surface using Adaptive Table Lookup (Cell-Based)

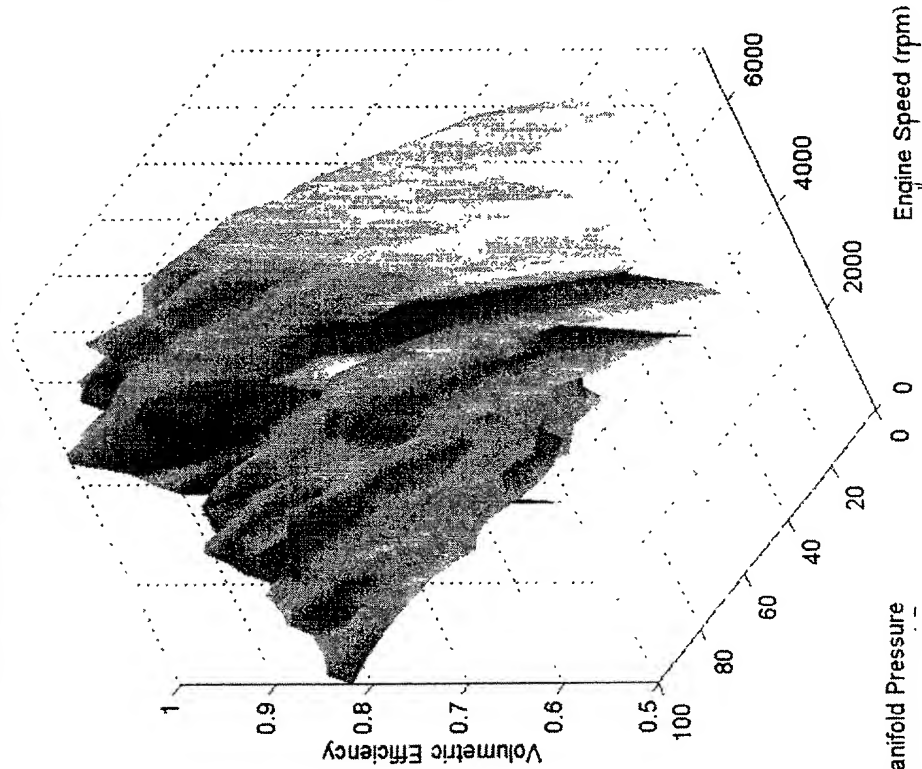


FIG. 7B

Plant Surface using Measured Data

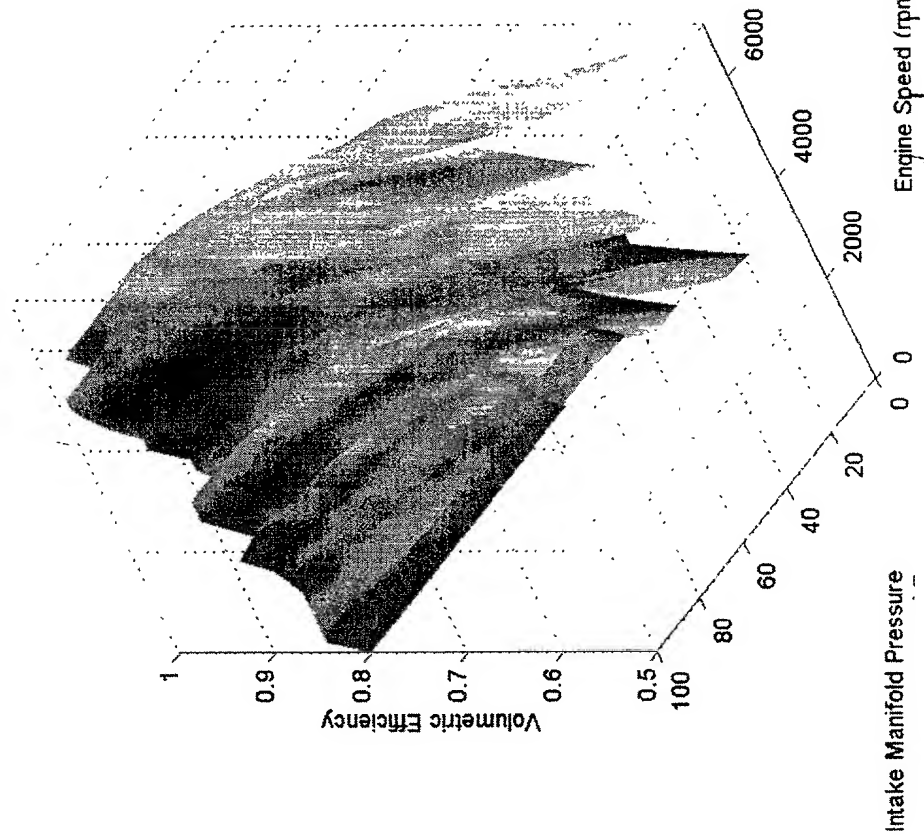


FIG. 7A

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